

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/JP2004/018338

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B01J23/38 B01J23/56 B01J35/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B01J B01D H01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, COMPENDEX, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>ESCUDERO M J ET AL: "Development and performance characterisation of new electrocatalysts for PEMFC" JOURNAL OF POWER SOURCES, ELSEVIER SEQUOIA S.A. LAUSANNE, CH, vol. 106, no. 1-2, 1 April 2002 (2002-04-01), pages 206-214, XP004348690 ISSN: 0378-7753 page 207 - page 209 2.3 Preparation of the membrane electrode assembly</p>	1-3,6,7, 9,10
X	<p>EP 0 466 984 A (UOP) 22 January 1992 (1992-01-22) column 7, line 10 - column 8, line 7; claim 6</p> <p style="text-align: center;">----- -/- -----</p>	9,10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

15 February 2005

Date of mailing of the international search report

23/02/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 714 693 A (TARGOS ET AL) 22 December 1987 (1987-12-22) examples III-V	9,10
X	WO 85/03241 A (EKA AB) 1 August 1985 (1985-08-01) example 35	9,10
A	US 2002/045543 A1 (TAKATORI KAZUMASA ET AL) 18 April 2002 (2002-04-18) claim 18	1-10

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information on patent family members

International Application No

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